



1773<sup>93</sup>  
\$B  
EXPEDITED HANDLING  
GROUP NO. 1773

PATENT  
1691-0170P

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: Satoru WAKAMATSU et al. Conf.: 4641  
Appl. No.: 10/030,657 Group: 1773  
Filed: January 11, 2002 Examiner: HOA T. LE  
For: POLYCRYSTALLINE SILICON AND PROCESS AND  
APPARATUS FOR PRODUCING THE SAME

INFORMATION DISCLOSURE STATEMENT  
(SUBMISSION AFTER NOTICE OF ALLOWANCE  
BUT PRIOR TO PAYMENT OF THE ISSUE FEE)

HANDCARRY TO:  
U.S. Patent and Trademark Office  
2011 South Clark Place  
Customer Window  
Crystal Plaza Two, Lobby, Room 1B03  
Arlington, VA 22202

June 2, 2004

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS, OR OTHER INFORMATION

The patents, publications, or other information submitted for consideration by the Office are listed on the PTO-1449, attached hereto.

II. COPIES

- a. ☒ This application was filed before June 30, 2003. Accordingly, submitted herewith is a legible copy of (i) each U.S. and foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed.

06/04/2004 WABDELRI 00000112 022448 10030657

01 FC:1806 180.00 DA

- b. ☐ This application was filed on or after June 30, 2003. Accordingly, copies of cited U.S. patents and patent application publications therefore are not included. Copies of foreign patent documents and non-patent literature are included.

III. CONCISE EXPLANATION OF THE RELEVANCE  
(check at least one box)

- a. ☒ **DOCUMENTS IN THE ENGLISH LANGUAGE**

The patents, publications, or other information listed on the attached PTO 1449 are in the English language and therefore, do not require a statement of relevancy.

- b. ☐ **DOCUMENTS NOT IN THE ENGLISH LANGUAGE**

A concise explanation of the relevance of all patents, publications, or other information listed that is not in the English language is as follows:

- c. ☒ **ENGLISH LANGUAGE SEARCH REPORT**

An English language version of the search report or action that indicates the degree of relevance found by the foreign office is attached, thereby satisfying the requirement for a concise explanation. See MPEP 609(III)(A)(3).

- d. ☐ **OTHER**

The following additional information is provided for the Examiner's consideration.

FEES

IV. THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(d):

after the mailing date of a Notice of Allowance under § 1.311, but before payment of the Issue Fee.

See the Statement Under 37 C.F.R. § 1.97(e).

V. STATEMENT UNDER 37 C.F.R. § 1.97(e) (check only one box)

The undersigned hereby states that

- a. ☐ each item of information contained in the IDS was first cited in any communication from a foreign Patent Office in a counterpart foreign application not more than 30 days prior to the filing of this IDS; or
- b. ☒ each item of information contained in the IDS was first cited in any communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS; or
- c. ☐ no item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of the IDS.
- d. ☐ Some of the items of information were cited in a communication from a foreign Patent Office. As to this information, the undersigned states that each item of information contained in the IDS was first cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby states that no item of this remaining information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application and, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.

VI. PAYMENT OF FEES

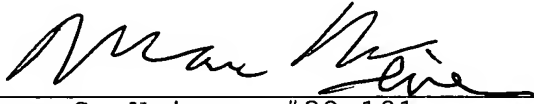
- ☒ Please charge Deposit Account No. 02-2448 in the amount of \$180.00 for the fee required under 37 C.F.R. § 1.97(d) and as set forth in 37 C.F.R. § 1.17(p). A triplicate copy of this paper is attached.

If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule and charge the appropriate fee to Deposit Account No. 02-2448.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under § 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By   
 Marc S. Weiner, #32,181  
 P.O. Box 747  
 Falls Church, VA 22040-0747  
 (703) 205-8000

MSW/sh  
 1691-0170P

- Attachment(s): ☒ PTO-1449  
☒ Documents  
☐ Foreign Search Report  
☒ Fee - \$180.00 - Deposit Account  
☐ Other: \_\_\_\_\_

(Rev. 05/13/2004)

Form PTO-1449

**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**

(Use several sheets if necessary)

ATTY. DOCKET NO.  
1691-0170P

APPLICATION NO.  
10/030,657

APPLICANT  
Satoru WAKAMATSU et al.

FILING DATE  
January 11, 2002

GROUP  
1773

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	US 4,176,166	A	11-27-1979	Carman			
	US 4,994,107	A	02-19-1991	Flagan et al.			
	US						
	US						
	US						
	US						
	US						
	US						
	US						
	US						

**FOREIGN PATENT DOCUMENTS**

	Office	DOCUMENT NUMBER	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
								YES	NO

**OTHER DOCUMENTS**

(Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.)

	Giovanni SOTGIU et al.; Thin Solid Films, Vol. 297, No. 1-2, April 1, 1997, pp. 18-21.
	G.F. CEROFOLINI et al.; Materials Science and Engineering, Vol. 27, No. 1-2, April 2000, pp. 1-52.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.